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Jameco Part Number 203393

UV465 SERIES

65 Watt

UNIVERSAL INPUT

150Watt Peak

DESCRIPTION

Tri-Mag, Inc. UV465 Series, these 65 watt switchers feature small size, low cost, high efficiency with universal input ranging from 85 VAC to 264 VAC without jumpers. This series is designed for high peak current applications.

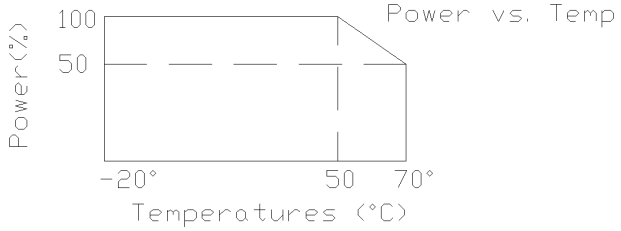
Both single output and multiple output models are available. The UV465 Series is designed in full compliance to UL 1950 CSA22.2 #234, and VDE EN60950.

FEATURES

- *90 TO 264VAC Universal Input*
- *Compact & Low Cost*
- *Overload Protection*
- *Overvoltage Protection*
- *Short Circuit Protection*
- *100% Hi-Pot Test*
- *100% Cycling On-Off Burn-In Test*
- *Built-on Line Filter to Meet FCC Class B*

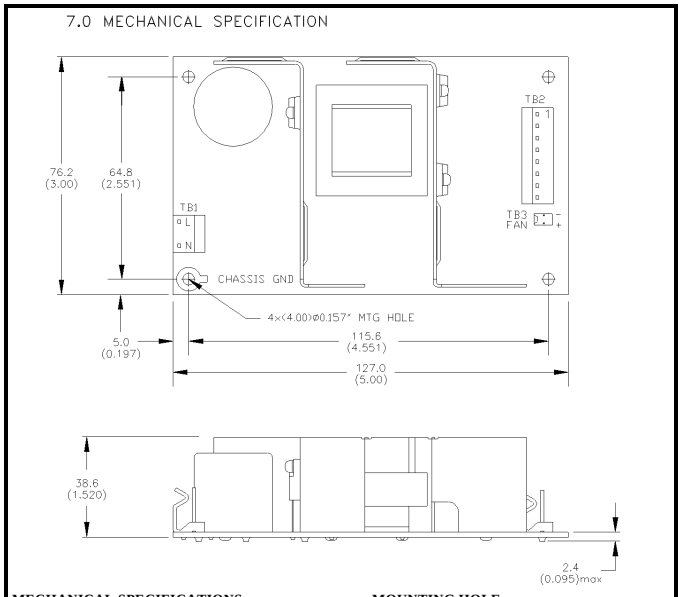
APPLICATIONS

- *Portable computer Systems*
- *Plotters, Printers*
- *Color Monitors, CRT Terminals*
- *Robotics, Instrumentation*
- *General Purpose*
- *Industrial and Process Control*



GENERAL SPECIFICATIONS

Input Voltage…….. 85VAC to 264VAC
or 120VDC to 350VDC
Input Frequency……...… 47Hz to 63Hz
Inrush Current (cold).……...….... 30A @ 115VAC
60A @ 230VAC
Operating Temperature……..…….. 0 to 50ºC
Storage Temperature……...……. - 20ºC to 85ºC
Cooling…….. Free Air Convection
Efficiency……..……. 75% Typical
Holdup Time……...… 16ms at 115VAC
Overvoltage Type……..… Crowbar
Trip Point, 6.2V ± 0.4V
or Rated Output +2V
Overload Protection……...…….. Foldback
at 150% laod
Output # 1 Voltage Adjustable……...….±10%
Switching Frequency…….. 35KHz
Safety:
Designed in full compliance with……..…….... UL 1950
CSA 22.2 #234
VDE EN60950
IEC 950



MECHANICAL SPECIFICATIONS:
Dimension Shown in IN (Tolerance Specified is ±0.016")

PC Board Size:
5.0" x 3.0" x 1.5"
(127mm x 76.2mm x 38.6mm)

Weight:
380 Grams Approx.

MOUNTING HOLE:
4.551" x 2.551" (115.6mm x 38.6mm)

TB1:
AC Input, Using Molex 5277-2 or Equivalent

TB2:
DC Output, Using Molex 5273-4, -6 or Equivalent

TB3:
For 24VDC fan use only

UV465 SERIES 65 WATT— PIN ASSIGNMENT

Pin	1	2	3	4	5	6	7	8
UV465-1	+5V	+5V	COM	COM	+12V	+12V	-12V	N/C
UV465-4	+5V	+5V	COM	COM	COM	COM	+12V	+12V
UV465-5	+5V	+5V	+5V	+5V	COM	COM	COM	COM
UV465-6	+12V	+12V	+12V	COM	COM	COM	COM	N/C
UV465-7	+15V	+15V	+15V	COM	COM	COM	COM	N/C
UV465-8	+24V	+24V	+24V	COM	COM	COM	COM	N/C
UV465-9	+15V	+15V	COM	COM	-15V	-15V	N/C	N/C
UV465-12	+24V	+24V	+24V	COM	COM	COM	COM	+5V
UV465-14	+48V	+48V	+48V	COM	COM	COM	-	-
UV465-15	+12V	+12V	+12V	COM	COM	COM	COM	+5V
UV465-16	+15V	+15V	+15V	COM	COM	COM	COM	+5V
UV465-17	+5V	+5V	COM	COM	COM	COM	+3.3V	+3.3V
UV465-18	+3.3V	+3.3V	+3.3V	+3.3V	COM	COM	COM	COM

UV465 SERIES 65 WATT— OUTPUT SPECIFICATIONS

Model	Voltage (Vdc)	Load (A)			Tolerance ±	Ripple & Noise	Regulation	
		Min.	Rate	Peak			Line	Load
UV465-1	+5V +12V -12V	0 0 0	3.5 4.0 0.3	5.0 11.0 0.5	1% 5% 5%	50 mV 100 mV 100 mV	1% 1% 1%	3% 3% 3%
UV465-4	+5V +12V	0 0	3.5 4.0	5.0 11.0	1% 5%	50 mV 120 mV	1% 1%	3% 5%
UV465-5	+5V	0.5	13	-	1%	100 mV	1%	1%
UV465-6	+12V	0.3	5.5	-	1%	100 mV	1%	1%
UV465-7	+15V	0.3	4.5	-	1%	100 mV	1%	1%
UV465-8	+24V	0.2	3.0	-	1%	150 mV	1%	1%
UV465-9	+15V -15V	0.3 0.3	2.0 2.0	2.5 2.5	1% 5%	100 mV 100 mV	1% 1%	1% 3%
UV465-12	+24V +5V	0 0	2.5 0.5	6.0 -	1% 5%	240 mV 50 mV	1% 1%	1% 5%
UV465-14	+48V	0	1.4	2.0	1%	250 mV	1%	1%
UV465-15	+12V +5V	0 0	5.0 0.5	6.0 -	1% 5%	120 mV 50 mV	1% 1%	1% 5%
UV465-16	+15V +5V	0 0	4.0 0.5	- -	1% 5%	150 mV 50 mV	1% 1%	1% 5%
UV465-17	+3.3V +5V	0 0	6.0 6.0	- -	1% 1%	50 mV 50 mV	1% 1%	1% 1%
UV465-18	+3.3V	0	12	-	1%	50 mV	1%	1%

Note: Contact factory for Safety Agency Approved status.